For those who CANNOT access Digits and have talked to me about it, you can access the homework problems here.

You can either "Make a Copy" of this document and type your answers below the question OR do your homework on paper and turn it in to me by the due date.

1.

Which of these ratios, if any, are proportional to $\frac{20}{50}$?

$\frac{6}{15}$, $\frac{5}{2}$, $\frac{80}{200}$, $\frac{12}{30}$, $\frac{25}{55}$

...

Select all ratios that are proportional to $\frac{20}{50}$.

☐ A. $\frac{80}{200}$ ☐ B. $\frac{12}{30}$

☐ C. $\frac{6}{15}$ ☐ D. $\frac{25}{55}$

☐ E. $\frac{5}{2}$ ☐ F. No ratios here are proportional to $\frac{20}{50}$.

2.

Are the ratios $\frac{12}{30}$ and $\frac{20}{50}$ proportional? Use pencil and paper to show your work.

...

Are the ratios proportional?

○ No

○ Yes

3.

Suppose you are waiting in a line. The time it takes for you to reach the front depends on the number of people ahead of you. This is shown in the table. Use pencil and graph paper. Use the given graph setup to plot the pairs of values shown in the table. Does the table show a proportional relationship?

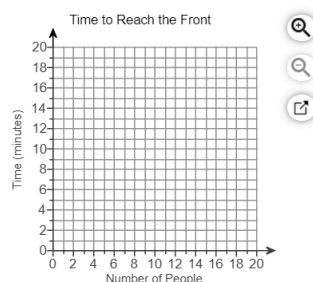Time to Reach the Front

Number of People	1	3	6	8
Time (minutes)	2	6	12	16

...

Does the table show a proportional relationship?
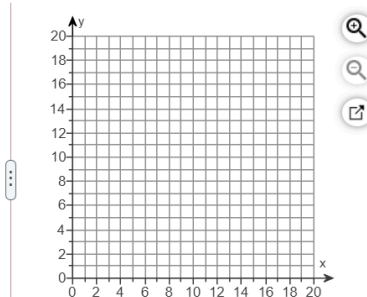
○ Yes
○ No

Time to Reach the Front

4.

Use pencil and graph paper. Use the given graph setup to plot the pairs of values shown in the table. Does the table show a proportional relationship?

x	1	2	3	7
y	2	4	6	14

Does the table show a proportional relationship?

○ Yes

○ No

5.

Use pencil and graph paper. Use the given graph setup to graph these equations. Which of the equations, if either, represents a proportional relationship?

$y = 2x + 7$ 　　　　$y = 2x$

Which of the equations, if either, represents a proportional relationship?

○ Only $y = 2x$

○ Only $y = 2x + 7$

○ Both equations

○ Neither equation